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Timoshevsky B.G. Experimental research of parameters piston ICE with bioethanol conversion thermochemical system / B.G. Timoshevsky, M.R. Tkach, A.S. Mitrofanov,

A.S. Poznansky, A.Y. Proskurin // Internal combustion

engines. – 2011. – № 2. – P.3-8.

A construction and an operating principle of the experimental plant for engine operation study with system of thermochemical bioethanol conversion is described. Dependences of conversion level of bioethanol on key parameters of steam conversion process and geometrical performances of the reactor are received. The comparative analysis of indicator diagram's is carried out at engine operation on a manufactured gas, a propane and gasoline. Table. 1. Il. 6. Bibliogr. 11 names.